INDEX

Volume 12, 1966

Soviet Physics – Acoustics

SOVIET PHYSICS–ACOUSTICS
Volume 12, 1966
A translation of Akusticheskii Zhurnal

AKULICHEV, V. A.
Hydration of Ions and the Cavitation Resistance of Water. (E/T) V. A. Akulichev. 12, 144 (1966) [12, 160 (1966)]

AL'TGAUZEN, O. N.
Magnetic Properties of Alloys for Magnetostrictive Transducers. (E) O. N. Al'tgauzen, L. S. Bezuglaya, Z. N. Bulycheva, and O. V. Lyubetskaya. (E) 12, 249 (1967) [12, 283 (1966)]

ANDREEVA, I. B.
Sound Scattering by the Surface of the Ocean and by Surface Scattering Layers. (E/T) I. B. Andreeva and E. G. Kharat'yan. 12, 350 (1967) [12, 399 (1966)]

ARABADZHI, V. I.
On the Sonation of Sands. (E) V. I. Arabadzhi. 12, 81 (1966) [12, 105 (1966)]

ARKHANGEL'SKII, M. E.
Action of Ultrasound on the Processes of Photographic Development and Fixing (Review). (R) M. E. Arkhangel'skii. 12, 241 (1967) [12, 273 (1966)]

BAKIROV, M. Ya.
Effect of Ultrasonic Treatment on the Characteristics of Selenium Rectifiers. (E) M. Ya. Bakirov and Kh. M. Khalilov. 12, 310 (1967) [12, 365 (1966)]

BELYAEV, V. K.
Effect of Ultrasound on the Growth and Dissolution of Single Crystals in a Drop of Solution. (E) V. K. Belyaev and I. I. Reshetnyak. 12, 312 (1967) [12, 367 (1966)]

BERDYEV, A. A.
Method of Investigating the Acoustical Properties of Liquids at Frequencies of 300–1000 Mc. (E) A. A. Berdyev and N. B. Lezhnev. 12, 211 (1966) [12, 247 (1966)]

BEZUGLAYA, L. S.
Magnetic Properties of Alloys for Magnetostrictive Transducers. (E) O. N. Al'tgauzen, L. S. Bezuglaya, Z. N. Bulycheva, and O. V. Lyubetskaya. 12, 249 (1967) [12, 283 (1966)]

BLAGOI, Yu. P.
Velocity of Sound in Liquid Nitrogen, Oxygen, and Argon in the Temperature Range above the Normal Boiling Points. (E/T) Yu. P. Blagoi, A. E. Butko, S. A. Mikhailenko, and V. V. Yakuba. 12, 355 (1967) [12, 405 (1966)]

BOBROVNITSKII, Yu. I.
Propagation of Flexural Waves along a Beam with Periodic Point Loading. (T) Yu. I. Bobrovnitskii and V. P. Maslov. 12, 150 (1966) [12, 167 (1966)]

BOBYLEV, B. A.
Absorption of Ultrasound in the Compounds GaAs and GaSb. (E/T) B. A. Bobylev and A. F. Kravchenko. 12, 315 (1967) [12, 369 (1966)]

BOGORODSKII, V. V.
Investigation of the Internal Friction of Ice Slabs with a Layer of Snow during Flexural Vibrations. (E/T) V. V. Bogorodskii and E. I. Galkin. 12, 360 (1967) [12, 411 (1966)]

BOGUSLAVSKII, Yu. Ya.
Cavitation Threshold and Its Frequency Dependence. (T) Yu. Ya. Boguslavskii and V. L. Korets. 12, 364 (1967) [12, 416 (1966)]

BORISOV, Yu. Ya.
Experiments on the Drying of Colloidal Materials in a Standing Sound Wave. (E) Yu. Yu. Borisov and N. M. Gynkina. 12, 84 (1966) [12, 107 (1966)]

BORISOV, Yu. Ya.
Measurement of Boundary Layer Thickness in the Presence of a Sound Field. (E) Yu. Ya. Borisov and Yu. G. Statnikov. 12, 318 (1967) [12, 372 (1966)]

BREKHOVSKIKH, L. M.
Generation of Sound Waves in a Liquid by Surface Waves. (T) L. M. Brekhovskikh. 12, 323 (1967) [12, 376 (1966)]

BREKHOVSKIKH, L. M.
Surface Waves in a Solid. (E) L. M. Brekhovskikh. 12, 320 (1967) [12, 374 (1966)]

BULYCHEVA, Z. N.
Magnetic Properties of Alloys for Magnetostrictive Transducers. (E) O. N. Al'tgauzen, L. S. Bezuglaya, Z. N. Bulycheva, and O. V. Lyubetskaya. 12, 249 (1967) [12, 253 (1966)]

BURTSEVA, S. D.
Binaural Localization of Acoustic Images in the Presence of Noise. (E) S. D. Burtseva and R. I. Chernyak. 12, 155 (1966) [12, 173 (1966)]

BUTKO, A. E.
Velocity of Sound in Liquid Nitrogen, Oxygen, and Argon in the Temperature Range above the Normal Boiling Points. (E/T) Yu. P. Blagoi, A. E. Butko, S. A. Mikhailenko, and V. V. Yakuba. 12, 355 (1967) [12, 405 (1966)]

CHERNYAK, R. I.
Binaural Localization of Acoustic Images in the Presence of Noise. (E) S. D. Burtseva and R. I. Chernyak. 12, 155 (1966) [12, 173 (1966)]

CHOLPAN, P. F.
Adiabatic Compressibility of Aqueous Electrolyte Solutions. (E/T) P. F. Cholpan. 12. 72 (1966) [12, 93 (1966)]

CHULKOVA, V. K.
Dependence of Young's Modulus and the Mechanical Quality Factor of Magnetostrictive Ferrites on the Magnetization. (E/T) I. P. Golyamina and V. K. Chulkova. 12, 374 (1967) [12, 428 (1966)]

DENISOV, A. S.
Drift of an Aerosol Particle in a Sound Wave Distorted by the Presence of the Second Harmonic. (T) A. S. Denisov, D. B. Dianov, A. A. Podol'skii, and V. I. Turubarov. 12, 25 (1966) [12, 31 (1966)]

DIANOV, D. B.
Drift of an Aerosol Particle in a Sound Wave Distorted by the Presence of the Second Harmonic. (T) A. S. Denisov, D. B. Dianov, A. A. Podol'skii, and V. I. Turubarov, 12, 25 (1966) [12, 31 (1966)]

DICHENSKAYA, L. G.
Efficiency of Emulsification by Means of Acoustic Vibrations. (E) L. G. Dichenskaya, V. E. Karachevskii, L. F. Lependin, and A. B. Telesnin. 12, 326 (1967) [12, 379 (1966)]

DOBROMYSLOV, N. A.
Measurement of the Velocity of Ultrasound in Water in the Melting Region. (E) N. A. Dobromyslov and V. V. Nikitin. 12, 221 (1966) [12, 255 (1966)]

DOKUCHAEV, V. P.
Radiation Energy and Impedance of a Moving Acoustic Monopole. (T) V. P. Dokuchaev. 12, 89 (1966) [12, 112 (1966)]

DOMBROVSKII, R. V.
Industrial Soundproof Coating for Anechoic Acoustical Measurement Chambers. (E) R. V. Dombrovskii. 12, 419 (1967) [12, 484 (1966)]

ÉKNADIOSYANTS, O. K.
Atomization of a Liquid by Low-Frequency Ultrasonic Vibrations. (E) O. K. Éknadiosyants. 12, 106 (1966) [12, 127 (1966)]

ÉKNADIOSYANTS, O. K.
Nature of the Atomization of Liquids in an Ultrasonic Fountain. (E/T) B. I. Il'in and O. K. Éknadiosyants. 12, 269 (1967) [12, 310 (1966)]

FURDUEV, V. V.
Directivity Factor of a Linear Array of Directional Transmitters. (T) É. L. Vinogradova and V. V. Furduev. 12, 161 (1966) [12, 181 (1966)]

GALKIN, E. I.
Investigation of the Internal Friction of Ice Slabs with a Layer of Snow during Flexural Vibrations. (E/T) V. V. Bogorodskii and E. I. Galkin. 12, 360 (1967) [12, 411 (1966)]

GALUNOV, V. I.
Some Characteristics of Speech Perception. (T/E) V. I. Galunov. 12, 369 (1967) [12, 422 (1966)]

GITIS, M. B.
Correlation of the Velocity of Sound and Electrical Conductivity in Liquid Metals. (E) M. B. Gitis and I. G. Mikhailov. 12, 14 (1966) [12, 17 (1966)]

GITIS, M. B.
Propagation of Sound in Liquid Metals (Review). (R) M. B. Gitis and I. G. Mikhailov. 12, 131 (1966) [12, 145 (1966)]

GLOTOV, V. P.
Field Fluctuations Caused by Deep-Sea Sound-Scattering Layers. (T) V. P. Glotov and Yu. P. Lysanov. 12, 217 (1966) [12, 252 (1966)]

GOLUBKOV, E. P.
Vibrations in Piezoceramic Tubes. (E/T) E. P. Golubkov. 12, 18 (1966) [12, 22 (1966)]

GOLYAMINA, I. P.
Dependence of Young's Modulus and the Mechanical Quality Factor of Magnetostrictive Ferrites on the Magnetization. (E/T) I. P. Golyamina and V. K. Chulkova. 12, 374 (1967) [12, 428 (1966)]

GOLYAMINA, I. P.
Summary of the Fifth International Congress on Acoustics. (R) I. P. Golyamina and L. M. Lyamshev. 12, 116 (1966) [12, 134 (1966)]

GORBUNOV, M. H.
Acoustical Properties of Molecular Crystals near the Melting Point. (E/T) M. A. Gorbunov, N. I. Koshkin, and D. V. Sheloput. 12, 20 (1966) [12, 25 (1966)]

GULIN, É. P.
Some Results of an Investigation of the Frequency Correlation of Amplitude Fluctuations in Sound Signals. (E) É. P. Gulin and K. I. Malyshev. 12, 87 (1966) [12, 110 (1966).

GULYAEV, Yu. V.
Rotation of the Plane of Polarization of Sound in a Magnetic Field in Piezoelectric Semiconductors. (T) Yu. V. Gulyaev. 12, 219 (1966) [12, 253 (1966)]

GUSEVA, E. K.
Time-Dependent Absorption of Ultrasound in Elastically Deformed Aluminum. (T/E) E. K. Guseva. 12, 164 (1966) [12, 185 (1966)]

GYNKINA, N. M.
Experiments on the Drying of Colloidal Materials in a Standing Sound Wave. (E) Yu. Ya. Borisov and N. M. Gynkina. 12, 84 (1966) [12, 107 (1966)]

ILGUNAS, V.
Dispersion of the Velocity of Ultrasound in Certain Acetate Solutions (E/T) V. Ilgunas and O. Kubilyunene. 12, 223 (1966) [12, 256 (1966)]

ILGUNAS, V.
Measurement of the Absorption of Ultrasound in Liquids with an Interferometer. (E) V. Ilgunas and K. Paulauskas. 12, 225 (1966) [12, 258 (1966)]

IL'IN, B. I.
Nature of the Atomization of Liquids in an Ultrasonic Fountain. (E/T) B. Il'in and O. K. Éknadiosyants. 12, 260 (1967) [12, 310 (1966)]

IL'IN, G. S.
Tenth Anniversary of the Ultrasonics Seminar. G. S. Il'in. 12, 339 (1967) [12, 390 (1966)]

IVANOV, I. D.
Integral Representation of the Field of a Point Radiator in a Layered Inhomogeneous Medium. (T) I. D. Ivanov. 12, 386 (1967) [12, 443 (1966)]

KALUGIN, B. A.
Ultrasonic Method of Measuring the Elastic Moduli of Metals at Temperatures to 3000°K. (E) B. A. Kalugin and I. G. Mikhailov. 12, 91 (1966) [12, 114 (1966)]

KANEVSKII, I. N.
Amplitude Distribution Functions of Cylindrical Lenses and Reflector. (T) I. N. Kanevskii. 12, 31 (1966) [12, 39 (1966)]

KANEVSKII, I. N.
Maximum Aperture Angles and Phase Aberration of Cylindrical Ultrasonic Lenses. (T) I. N. Kanevskii. 12, 93 (1966) [12, 116 (1966)]

KANEVSKII, I. N.
Method of Calculating the Fields in the Focal Region of Cylindrical Ultrasonic Focussing Devices with a Nonuniform Amplitude Distribution. (T) I. N. Kanevskii. 12, 391 (1967) [12, 449 (1966)]

KARACHEVSKII, V. E.
Efficiency of Emulsification by Means of Acoustic Vibrations. (E) L. G. Dichenskaya, V. E. Karachevskii, L. F. Lependin, and A. B. Telesnin. 12, 326 (1967) [12, 379 (1966)]

KAUROVA, A. S.
Velocity of Sound and Adiabatic Compressibility of Bivalent and Univalent Electrolyte Solutions in Methanol. (E/T) A. S. Kaurova and G. P. Roshchina. 12, 95 (1966) [12, 118 (1966)]

KAUROVA, A. S.
Velocity of Ultrasound and Adiabatic Compressibility of Univalent Salts in Methanol. (E) A. S. Kaurova and G. P. Roshchina. 12, 276 (1967) [12, 319 (1966)]

KHALILOV, Kh. M.
Effect of Ultrasonic Treatment on the Characteristics of Selenium Rectifiers. (E) M. Ya. Bakirov and Kh. M. Khalilov. 12, 310 (1967) [12, 365 (1966)]

KHARAT'YAN, E. G.
Sound Scattering by the Surface of the Ocean and by Surface Scattering Layers. (E/T) I. B. Andreeva and E. G. Kharat'yan. 12, 350 (1967) [12, 399 (1966)]

KHOKHLOV, R. V.
A Cadmium Sulfide Combination Ultrasonic Amplifier (T) E. A. Zabolotskaya, S. I. Soluyan, and R. V. Khokhlov. 12, 380 (1967) [12, 435 (1966)]

KHOKHLOV, R. V.
A Parametric Ultrasonic Amplifier. (T) E. A. Zabolotskaya, S. I. Soluyan, and R. V. Khokhlov. 12, 167 (1966) [12, 188 (1966)]

KLEIMAN, Ya. Z.
Form of the Surface of a First-Order Discontinuity in a Medium with Variable Velocity of Sound. (T) Ya. Z. Kleiman. 12, 280 (1967) [12, 325 (1966)]

KLIMENKO, G. K.
Aural Perception of Timbre Variation in the Addition of a Signal with Its Echo. (E) G. K. Klimenko. 12, 98 (1966) [12, 120 (1966)]

KNYAZEV, A. S.
Application of Electromechanical Feedback for the Damping of Plate Vibrations and Radiation. (E) A. S. Knyazev and B. D. Tartakovskii. 12, 330 (1967) [12, 382 (1966)]

KNYAZEV, A. S.
Vibrational Frequency Characteristics of Bars Constrained by Electromechanical Feedback. (T/E) A. S. Knyazev and B. D. Tartakovskii. 12, 36 (1966) [12, 46 (1966)]

KORETS, V. L.
Cavitation Threshold and Its Frequency Dependence. (T) Yu. Ya. Boguslavskii and V. L. Korets. 12, 364 (1967) [12, 416 (1966)]

KOSHKIN, N. I.
Acoustical Properties of Molecular Crystals near the Melting Point. (E/T) M. A. Gorbunov, N. I. Koshkin, and D. V. Sheloput. 12, 20 (1966) [12, 25 (1966)]

KOZLOV, Yu. V.
Velocity and Absorption of Ultrasonic Waves in Certain Liquids at Constant Density. (E) Yu. V. Kozlov and V. F. Yakoviev. 12, 423 (1967) [12, 487 (1966)]

KRASIL'NIKOV, V. A.
Certain Effects in the Forced Nonlinear Vibration of Acoustic Resonators. (E) L. K. Zarembo, V. A. Krasil'nikov, V. N. Sluch, and O. Yu. Sukharevskaya. 12, 421 (1967) [12, 486 (1966)]

KRAVCHENKO, A. F.
Absorption of Ultrasound in the Compounds GaAs and GaSb. (E/T) B. A. Bobylev and A. F. Kravchenko. 12, 315 (1967) [12, 369 (1966)]

KRUTIN, V. N.
Measurement of the Viscosity of Newtonian Fluids by Means of Vibratory Probes. (T) V. N. Krutin and L. B. Smirnitskii. 12, 42 (1966) [12, 54 (1966)]

KUBILYUNENE, O.
Dispersion of the Velocity of Ultrasound in Certain Acetate Solutions (E/T) V. Ilgunas and O. Kubilyunene. 12, 223 (1966) [12, 256 (1966)]

KUZNETSOV, V. K.
Experimental Apparatus for the Investigation of Wave Fields in Inhomogeneous Media by the Method of Analog Simulation. (E) V. K. Kuznetsov. 12, 397 (1967) [12, 457 (1966)]

LAPIN, A. D.
Application of Resonators for the Enhancement of Sound Attenuation in a Waveguide Lined with a Soundproofing Material. (T) A. D. Lapin. 12, 286 (1967) [12, 333 (1966)]

LAPIN, A. D.
Influence of Motion of the Medium on the Sound Attenuation in a Waveguide Lined with a Sound-Absorbing Material. (T) A. D. Lapin. 12, 402 (1967) [12, 463 (1966)]

LAPIN, A. D.
Scattering of Sound by a Solid Layer with Rough Boundaries. (T) A. D. Lapin. 12, 46 (1966) [12, 59 (1966)]

LEBEDEV, V. M.
Reflection of Sound by a Balcony. (E) V. M. Lebedev. 12, 332 (1967) [12, 384 (1966)]

LEIZER, I. G.
Applicability of the Methods of Geometric Acoustics for the Calculation of Sound Reflection from Plane Surfaces. (T) I. G. Leizer. 12, 180 (1966) [12, 206 (1966)]

LEPENDIN, L. F.
Efficiency of Emulsification by Means of Acoustic Vibrations. (E) L. G. Dichenskaya, V. E. Karachevskii, L. F. Lependin, and A. B. Telesnin. 12, 326 (1967) [12, 379 (1966)]

LEZHNEV, N. B.
Method of Investigating the Acoustical Properties of Liquids at Frequencies of 300-1000 Mc. (E) A. A. Berdyev and N. B. Lezhnev. 12, 211 (1966) [12, 247 (1966)]

LYAMSHEV, L. M.
Fourth International Congress on Noise Control. (R) L. M. Lyamshev and G. L. Osipov. 12, 437 (1967) [12, 498 (1966)]

LYAMSHEV, L. M.
Influence of the Pickup Dimensions on Measurements of the Spectrum of Wall Pressure Fluctuations in a Boundary Layer. (E/T) L. M. Lyamshev and S. A. Salosina. 12, 228 (1966) [12, 261 (1966)]

LYAMSHEV, L. M.
Sound Diffraction by a Semiinfinite Elastic Plate in a Moving Medium. (T) L. M. Lyamshev. 12, 291 (1967) [12, 340 (1966)]

LYAMSHEV, L. M.
Summary of the Fifth International Congress on Acoustics. (R) I. P. Golyamina and L. M. Lyamshev. 12, 116 (1966) [12, 134 (1966)]

LYSANOV, Yu. P.
Average Decay Law in a Surface Sound Channel with an Uneven Boundary. (T) Yu. P. Lysanov. 12, 425 (1967) [12, 489 (1966)]

LYSANOV, Yu. P.
Diffraction of a Plane Wave, Transmitted through an Inhomogeneous Layer, by a Periodically Uneven Surface of Arbitrary Configuration. (T) Yu. P. Lysanov. 12, 52 (1966) [12, 68 (1966)]

LYSANOV, Yu. P.
Field Fluctuations Caused by Deep-Sea Sound-Scattering Layers. (T) V. P. Glotov and Yu. P. Lysanov. 12, 217 (1966) [12, 252 (1966)]

LYUBETSKAYA, O. V.
Magnetic Properties of Alloys for Magnetostrictive Transducers. (E) O. N. Al'tgauzen, L. S. Bezuglaya, Z. N. Bulycheva, and O. V. Lyubetskaya. 12, 249 (1967) [12, 283 (1966)]

LYUBLINSKAYA, V. V.
Recognition of Articulation Cues in Stop Consonants in Transition from Vowel to Consonant. (E/T) V. V. Lyublinskaya. 12, 185 (1966) [12, 213 (1966)]

MAKHAN'KO, I. G.
Behavior of the Second Viscosity of the Binary Mixture Benzene-Methyl Alcohol in the Critical Region. (T/E) I. G. Makhan'ko and B. F. Nozdrev. 12, 230 (1966) [12, 263 (1966)]

MALECKI, IGNACY
Development of Acoustics in the Polish People's Republic during the Last Twenty Years. (R) Ignacy Malecki. 12, 345 (1967) [12, 393 (1966)]

MALYSHEV, K. I.
Some Results of an Investigation of the Frequency Correlation of Amplitude Fluctuations in Sound Signals. (E) É. P. Gulin and K. I. Malyshev. 12, 87 (1966) [12, 110 (1966)]

MASLOV, V. P.
Propagation of Flexural Waves along a Beam with Periodic Point Loading. (T) Yu. I. Bobrovnitskii and V. P. Maslov. 12, 150 (1966) [12, 167 (1966)]

MAYATSKII, V. N.
Maximization of the Mechanoacoustic Efficiency of an Array of Point Radiators. (T) V. N. Mayatskii. 12, 232 (1966) [12, 265 (1966)]

MEDNIKOV, E. P.
Microstructure of Acoustic Turbulence. (T/E) E. P. Mednikov. 12, 405 (1967) [12, 466 (1966)]

MERKULOV, L. G.
Surface Waves in a Quartz Crystal. (T/E) L. V. Verevkina, L. G. Merkulov, and D. A. Tursunov. 12, 254 (1967) [12, 289 (1966)]

MERKULOVA, V. M.
Accuracy of the Pulse Method for Measuring the Attenuation and Velocity of Ultrasound. (T) V. M. Merkulova. 12, 411 (1967) [12, 474 (1966)]

MIKHAILENKO, S. A.
Velocity of Sound in Liquid Nitrogen, Oxygen, and Argon in the Temperature Range above the Normal Boiling Points. (E/T) Yu. P. Blagoi, A. E. Butko, S. A. Mikhailenko, and V. V. Yakuba. 12, 355 (1967) [12, 405 (1966)]

MIKHAILOV, I. G.
Absorption of Ultrasound and Structural Relaxation in a Polymerized Fat. (E/T) I. G. Mikhailov, L. I. Savina, and V. A. Solov'ev. 12, 295 (1967) [12, 346 (1966)]

MIKHAILOV, I. G.
Correlation of the Velocity of Sound and Electrical Conductivity in Liquid Metals. (E) M. B. Gitis and I. G. Mikhailov. 12, 14 (1966) [12, 17 (1966)]

MIKHAILOV, I. G.
Propagation of Sound in Liquid Metals (Review). (R) M. B. Gitis and I. G. Mikhailov. 12, 131 (1966) [12, 145 (1966)]

MIKHAILOV, I. G.
Ultrasonic Method of Measuring the Elastic Moduli of Metals at Temperatures to 3000°K. (E) B. A. Kalugin and I. G. Mikhailov. 12, 91 (1966) [12, 114 (1966)]

MUNIN, A. G.
Magnitude of the Reduction in Acoustic Power of a Jet Stream in a Cylindrical Noise Suppressor. (T/E) A. G. Munin. 12, 55 (1966) [12, 72 (1966)]

MYSHKIN, V. G.
Diffraction of a Scalar Surface Wave at Oblique Incidence on a Boundary between Impedance Half-Planes. (T) V. G. Myshkin. 12, 300 (1967) [12, 351 (1966)]

NIKITIN, V. V.
Measurement of the Velocity of Ultrasound in Water in the Melting Region. (E) N. A. Dobromyslov and V. V. Nikitin. 12, 221 (1966) [12, 255 (1966)]

NOZDREV, B. F.
Behavior of the Second Viscosity of the Binary Mixture Benzene-Methyl Alcohol in the Critical Region. (T/E) I. G. Makhan'ko and B. F. Nozdrev. 12, 230 (1966) [12, 263 (1966)]

OSIPOV, G. L.
Fourth International Congress on Noise Control. (R) L. M Lyamshev and G. L. Osipov. 12, 437 (1967) [12, 498 (1966)]

PAULAUSKAS, K.
Measurement of the Absorption of Ultrasound in Liquids with an Interferometer. (E) V. Ilgunas and K. Paulauskas. 12, 225 (1966) [12, 258 (1966)]

PETRITSKAYA, I. G.
Impedance of a Thin Layer of Air in the Harmonic Vibrations of a Membrane. (T) I. G. Petritskaya. 12, 193 (1966) [12, 222 (1966)]

PLAKHOV, D. D.
Sound Field of an Infinite Plate Acted upon by Random Pressure Fluctuations. (T) D. D. Plakhov. 12, 415 (1967) [12, 479 (1966)]

PLUZHNIK, V. I.
Rapid Hardness Testing of Synthetic Diamonds by Means of Ultrasound. (E) V. I. Pluzhnik and G. F. Skripko. 12, 334 (1967) [12, 386 (1966)]

PODOL'SKII, A. A.
Drift of an Aerosol Particle in a Sound Wave Distorted by the Presence of the Second Harmonic. (T) A. S. Denisov, D. B. Dianov, A. A. Podol'skii, and V. I. Turubarov. 12, 25 (1966) [12, 31 (1966)]

PODOL'SKII, A. A.
Theory of the Aggregation of Aerosol Particles in an Acoustic Field under Stokes Flow Conditions. (T) A. A. Podol'skii and V. I. Turubarov. 12, 234 (1966) [12, 266 (1966)]

POKROVSKII, B. V.
Principal Noise and Vibration Characteristics of Centrifugal Pumps. (E) B. V. Pokrovskii and E. Ya. Yudin. 12, 303 (1967) [12, 355 (1966)]

RESHETNYAK, I. I.
Effect of Ultrasound on the Growth and Dissolution of Single Crystals in a Drop of Solution. (E) V. K. Belyaev and I. I. Reshetnyak. 12, 312 (1967) [12, 367 (1966)]

ROSHCHINA, G. P.
Velocity of Sound and Adiabatic Compressibility of Bivalent and Univalent Electrolyte Solutions in Methanol. (E/T) A. S. Kaurova and G. P. Roshchina. 12, 95 (1966) [12, 118 (1966)]

ROSHCHINA, G. P.
Velocity of Ultrasound and Adiabatic Compressibility of Univalent Salts in Methanol. (E) A. S. Kaurova and G. P. Roshchina. 12, 276 (1967) [12, 319 (1966)]

ROSIN, G. S.
Reduction of Impact Noise by Flooring Materials. (T/E) V. I. Zaborov, G. S. Rosin, and L. P. Tyumentseva. 12, 263 (1967) [12, 301 (1966)]

ROZENBERG, L. D.
Acoustics Conference in Warsaw. (R) L. D. Rozenberg. 12, 439 (1967) [12, 499 (1966)]

ROZENBERG, L. D.
Generation and Amplification of an Ultrasonic Signal in CdS Crystals with a Depletion Layer. (E) V. I. Vas'kova, I. A. Viktorov, and L. D. Rozenberg. 12, 1 (1966) [12, 1 (1966)]

ROZIN, Yu. P.
Microradiometer for the Investigation of Acoustic Fields in Liquids. (E/T) Yu. P. Rozin and V. S. Tikhonova. 12, 101 (1966) [12, 123 (1966)]

RYBAK, S. A.
Relation between the Coefficients of Spatial and Time Decay of a Monochromatic Wave in a Waveguide. (T) S. A. Rybak and B. D. Tartakovskii. 12, 428 (1967) [12, 492 (1966)]

RZHEVKIN, S. N.
Second All-Union Conference on the Methodological Problems of Ultrasonic Interferometry. (R) S. N. Rzhevkin. 12, 114 (1966) [12, 133 (1966)]

SAKHAROVA, M. P.
Influence of the Edge of a Wedge with Vibrating Faces on the Radiated Acoustic Power. (T) M. P. Sakharova. 12, 60 (1966) [12, 78 (1966)]

SALOSINA, S. A.
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SOVIET PHYSICS – ACOUSTICS
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Aeroacoustics
Applied Acoustics, Instruments and Apparatus
Architectural Acoustics
Books, Bibliography, Surveys
General, Unclassified, Events
Molecular Acoustics
Noise
Physiological and Psychological Acoustics; Ear and Hearing
Shock and Vibration
Speech Communication and Information Theory
Standards
Ultrasonics
- General, Unclassified
- Light Affected by Ultrasonic Waves
- Ultrasonic Instruments, Industrial Applications
- Ultrasonic Waves in Gases
- Ultrasonic Waves in Liquids, Cavitation
- Ultrasonic Waves in Solids, Flaw Detection, Transducers, Delay Lines
- Physical, Chemical, and Biological Effects of Ultrasonic Waves

Underwater Sound
Waves and Vibrations
- Diffraction, Interference, Scattering, Reflection, Echoes, Standing Waves
- Gross Movement of Matter by Sound or Vibrations, Streaming Sensitive Flames
- Propagation, Absolute Velocity of Sound, Second Sound, Refraction, Wavelength, Doppler Effect
- Radiation from Vibrating Objects, Acoustic Impedance
- Finite Amplitude Sound, Nonlinear Effects, Distortion, Shock Waves, and Explosions
- Tubes, Resonators, Sources
- Wave and Field Theory
- Physical and Biological Effects of Sound

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NOISE

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Some Results of an Investigation of the Frequency Correlation of Amplitude Fluctuations in Sound Signals. (E) É. P. Gulin and K. I. Malyshev. 12, 87 (1966) [12, 110 (1966)]
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Principal Noise and Vibration Characteristics of Centrifugal Pumps. (E) B. V. Pokrovskii and E. Ya. Yudin. 12, 303 (1967) [12, 355 (1966)]
Application of Electromechanical Feedback for the Damping of Plate Vibrations and Radiation. (E) A. S. Knyazev and B. D. Tartakovskii. 12, 330 (1967) [12, 382 (1966)]
Relationship of Sound Radiation by Plates to Their Acoustic Transmissivity. (T) E. L. Shenderov. 12, 336 (1967) [12, 387 (1966)]
Some Characteristics of Speech Perception. (T/E) V. I. Galunov. 12, 369 (1967) [12, 422 (1966)]
Sound Field of an Infinite Plate Acted upon by Random Pressure Fluctuations. (T) D. D. Plakhov. 12, 415 (1967) [12, 479 (1966)]
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Aural Perception of Timbre Variation in the Addition of a Signal with Its Echo. (E) G. K. Klimenko. 12, 98 (1966) [12, 120 (1966)]
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Vibrational Frequency Characteristics of Bars Constrained by Electromechanical Feedback. (T/E) A. S. Knyazev and B. D. Tartakovskii. 12, 36 (1966) [12, 46 (1966)]
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Industrial Soundproof Coating for Anechoic Acoustical Measurement Chambers. (E) R. V. Dombrovskii. 12, 419 (1967) [12, 484 (1966)]

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General, Unclassified

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Ultrasonic Flow Meters by G. I. Birger and N. I. Brazhnikov. (R) Reviewed by I. N. Kanevskii. 12, 441 (1967) [12, 501 (1966)]

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Effect of the Temperature and Gas Content of the Liquid on Cavitation Processes. (E/T) M. G. Sirotyuk. 12, 67 (1966) [12, 87 (1966)]
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Measurement of the Viscosity of Newtonian Fluids by Means of Vibratory Probes. (T) V. N. Krutin and I. B. Smirnitskii. 12, 42 (1966) [12, 54 (1966)]
Ultrasonic Method of Measuring the Elastic Moduli of Metals at Temperatures to 3000°K. (E) B. A. Kalugin and I. G. Mikhailov. 12, 91 (1966) [12, 114 (1966)]
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Magnetic Properties of Alloys for Magnetostrictive Transducers. (E) O. N. Al'tgauzen, L. S. Bezuglaya, Z. N. Bulycheva, and O. V. Lyubetskaya. 12, 249 (1967) [12, 283 (1966)]
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Ultrasonic Waves in Solids, Flaw Detection, Transducers, Delay Lines

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Vibrations in Piezoceramic Tubes. (E/T) E. P. Golubkov. 12, 18 (1966) [12, 22 (1966)]
Acoustical Properties of Molecular Crystals near the Melting Point. (E/T) M. A. Gorbunov, N. I. Koshkin, and D. V. Sheloput. 12, 20 (1966) [12, 25 (1966)]
Amplitude Distribution Functions of Cylindrical Lenses and Reflector. (T) I. N. Kanevskii. 12, 31 (1966) [12, 39 (1966)]
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A Parametric Ultrasonic Amplifier. (T) E. A. Zabolotskaya, S. I. Soluyan, and R. V. Khokhlov. 12, 167 (1966) [12, 188 (1966)]
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Effect of the Temperature and Gas Content of the Liquid on Cavitation Processes. (E/T) M. G. Sirotyuk. 12, 67 (1966) [12, 87 (1966)]
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Microstructure of Acoustic Turbulence. (T/E) E. P. Mednikov. 12, 405 (1967) [12, 466 (1966)]

UNDERWATER SOUND

Scattering of Sound by a Solid Layer with Rough Boundaries. (T) A. D. Lapin. 12, 46 (1966) [12, 59 (1966)]
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Field Fluctuations Caused by Deep-Sea Sound-Scattering Layers. (T) V. P. Glotov and Yu. P. Lysanov. 12, 217 (1966) [12, 252 (1966)]
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WAVES AND VIBRATIONS

Diffraction, Interference, Scattering, Reflection, Echoes, Standing Waves

Vibrational Frequency Characteristics of Bars Constrained by Electromechanical Feedback. (T/E) A. S. Knyazev and B. D. Tartakovskii. 12, 36 (1966) [12, 46 (1966)]
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Angles and Character of the Deflection of a Light Beam in an Ultrasonic Field. (T/E) V. A. Shutilov. 12, 205 (1966) [12, 239 (1966)]
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Application of Resonators for the Enhancement of Sound Attenuation in a Waveguide Lined with a Soundproofing Material. (T) A. D. Lapin. 12, 286 (1967) [12, 333 (1966)]
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Excitation of Surface Waves. (T) I. A. Urusovskii. 12, 429 (1967) [12, 493 (1966)]

Gross Movement of Matter by Sound or Vibrations, Streaming Sensitive Flames

Drift of an Aerosol Particle in a Sound Wave Distorted by the Presence of the Second Harmonic. (T) A. S. Denisov, D. B. Dianov, A. A. Podol'skii, and V. I. Turubarov. 12, 25 (1966) [12, 31 (1966)]
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Propagation, Absolute Velocity of Sound, Second Sound, Refraction, Wavelength, Doppler Effect

Amplitude Distribution Functions of Cylindrical Lenses and Reflector. (T) I. N. Kanevskii. 12, 31 (1966) [12, 39 (1966)]
Influence of the Edge of a Wedge with Vibrating Faces on the Radiated Acoustic Power. (T) M. P. Sakharova. 12, 60 (1966) [12, 78 (1966)]
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